```
EEEEEEEEEEEEEEEE   DDDDDDDDDDD       TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD       TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD       TTTTTTTTTTTTTTT
EEE                DDD       DDD            TTT
EEE                DDD       DDD            TTT
EEE                DDD       DDD            TTT
EEE                DDD       DDD            TTT
EEE                DDD       DDD            TTT
EEEEEEEEEEEE       DDD       DDD            TTT
EEEEEEEEEEEE       DDD       DDD            TTT
EEEEEEEEEEEE       DDD       DDD            TTT
EEE                DDD       DDD            TTT
EEE                DDD       DDD            TTT
EEE                DDD       DDD            TTT
EEE                DDD       DDD            TTT
EEE                DDD       DDD            TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD              TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD              TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD              TTT
```

EXE

Mod

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SYS
LBR
LIB

```
LL              SSSSSSSS  UU        UU  BBBBBBBB        SSSSSSSS  NN        NN
LL              SSSSSSSS  UU        UU  BBBBBBBB        SSSSSSSS  NN        NN
LL           SS           UU        UU  BB      BB  SS            NN        NN
LL           SS           UU        UU  BB      BB  SS            NN        NN
LL           SS           UU        UU  BB      BB  SS            NNNN      NN
LL           SS           UU        UU  BB      BB  SS            NNNN      NN
LL              SSSSSS    UU        UU  BBBBBBBB        SSSSSS    NN    NN  NN
LL              SSSSSS    UU        UU  BBBBBBBB        SSSSSS    NN    NN  NN
LL                    SS  UU        UU  BB      BB            SS  NN      NNNN
LL                    SS  UU        UU  BB      BB            SS  NN      NNNN
LL                    SS  UU        UU  BB      BB            SS  NN        NN
LL                    SS  UU        UU  BB      BB            SS  NN        NN
LLLLLLLLLL  SSSSSSSS  UUUUUUUUUU  BBBBBBBB        SSSSSSSS  NN        NN    ....
LLLLLLLLLL  SSSSSSSS  UUUUUUUUUU  BBBBBBBB        SSSSSSSS  NN        NN    ....

LL           IIIIII      SSSSSSSS
LL           IIIIII      SSSSSSSS
LL             II      SS
LL             II      SS
LL             II      SS
LL             II          SSSSSS
LL             II          SSSSSS
LL             II                SS
LL             II                SS
LL             II                SS
LL             II                SS
LLLLLLLLLL   IIIIII    SSSSSSSS
LLLLLLLLLL   IIIIII    SSSSSSSS
```

```
    1    0001   0   %TITLE 'EDT$LSUBSN - SUBSTITUTE NEXT line-mode command'
    2    0002   0   MODULE EDT$LSUBSN (                                  ! SUBSTITUTE NEXT line-mode command
    3    0003   0                     IDENT = 'V04-000'                  ! File: LSUBSN.BLI Edit: JBS1007
    4    0004   0                     ) =
    5    0005   1   BEGIN
    6    0006   1   !
    7    0007   1   !*********************************************************************
    8    0008   1   !*                                                                   *
    9    0009   1   !*   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                          *
   10    0010   1   !*   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.           *
   11    0011   1   !*   ALL RIGHTS RESERVED.                                            *
   12    0012   1   !*                                                                   *
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   14    0014   1   !*   ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH LICENSE  AND WITH THE  *
   15    0015   1   !*   INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER *
   16    0016   1   !*   COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
   17    0017   1   !*   OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY *
   18    0018   1   !*   TRANSFERRED.                                                    *
   19    0019   1   !*                                                                   *
   20    0020   1   !*   THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE *
   21    0021   1   !*   AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT *
   22    0022   1   !*   CORPORATION.                                                    *
   23    0023   1   !*                                                                   *
   24    0024   1   !*   DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS *
   25    0025   1   !*   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.          *
   26    0026   1   !*                                                                   *
   27    0027   1   !*                                                                   *
   28    0028   1   !*********************************************************************
   29    0029   1   !
   30    0030   1   !
   31    0031   1   !++
   32    0032   1   ! FACILITY:       EDT -- The DEC Standard Editor
   33    0033   1   !
   34    0034   1   ! ABSTRACT:
   35    0035   1   !
   36    0036   1   !       This module executes the line mode SUBSTITUTE NEXT command.
   37    0037   1   !
   38    0038   1   ! ENVIRONMENT:  Runs at any access mode - AST reentrant
   39    0039   1   !
   40    0040   1   ! AUTHOR: Bob Kushlis, CREATION DATE: February 3, 1978
   41    0041   1   !
   42    0042   1   ! MODIFIED BY:
   43    0043   1   !
   44    0044   1   ! 1-001 - Original.  DJS 30-JAN-1981.  This module was created by
   45    0045   1   !         extracting the routine EDT$$SUB_NXTCMD  from the module EXEC.BLI.
   46    0046   1   ! 1-002 - Regularize headers.  JBS 20-Mar-1981
   47    0047   1   ! 1-003 - Change SUBSTITUTE to EDT$$SUB_NXT .  JBS 27-Mar-1981
   48    0048   1   ! 1-004 - Worry about string truncation.  JBS 05-May-1982
   49    0049   1   ! 1-005 - Refresh the screen if this command is executed under EXT.  JBS 07-Jul-1982
   50    0050   1   ! 1-006 - Put edt$$tst_eob in line. STS 22-Sep-1982
   51    0051   1   ! 1-007 - Remove EDT$$G_SCR_CHGD, not needed by new screen logic.  JBS 09-Oct-1982
   52    0052   1   !--
   53    0053   1
```

```
 55      0054  1 %SBTTL 'Declarations'
 56      0055  1 !
 57      0056  1 ! TABLE OF CONTENTS:
 58      0057  1 !
 59      0058  1
 60      0059  1 REQUIRE 'EDTSRC:TRAROUNAM';
 61      0498  1
 62      0499  1 FORWARD ROUTINE
 63      0500  1     EDT$$SUB_NXTCMD : NOVALUE;                         ! Process the SUBSTITUTE NEXT command
 64      0501  1
 65      0502  1 !
 66      0503  1 ! INCLUDE FILES:
 67      0504  1 !
 68      0505  1
 69      0506  1 REQUIRE 'EDTSRC:EDTREQ';
 70      0641  1
 71      0642  1 !
 72      0643  1 ! MACROS:
 73      0644  1 !
 74      0645  1 !     NONE
 75      0646  1 !
 76      0647  1 ! EQUATED SYMBOLS:
 77      0648  1 !
 78      0649  1 !     NONE
 79      0650  1 !
 80      0651  1 ! OWN STORAGE:
 81      0652  1 !
 82      0653  1 !     NONE
 83      0654  1 !
 84      0655  1 ! EXTERNAL REFERENCES:
 85      0656  1 !
 86      0657  1 !     In the routine
```

M 14
EDT$LSUBSN   EDT$LSUBSN - SUBSTITUTE NEXT line-mode command 16-Sep-1984 01:02:03   VAX-11 Bliss-32 V4.0-742   Page 3
V04-000   EDT$$SUB_NXTCMD - SUBSTITUTE NEXT line-mode co 14-Sep-1984 12:23:44   DISK$VMSMASTER:[EDT.SRC]LSUBSN.BLI;1   (3)

```
::   88      0658  1   %SBTTL 'EDT$$SUB_NXTCMD - SUBSTITUTE NEXT line-mode command'
::   89      0659  1
::   90      0660  1   GLOBAL ROUTINE EDT$$SUB_NXTCMD                          ! SUBSTITUTE NEXT line-mode command
::   91      0661  1       : NOVALUE =
::   92      0662  1
::   93      0663  1   !++
::   94      0664  1   ! FUNCTIONAL SPECIFICATION:
::   95      0665  1   !
::   96      0666  1   !       Command processing routine for SUBSTITUTE NEXT.  This command keeps
::   97      0667  1   !       trying to do a substitution until it succeeds.
::   98      0668  1   !
::   99      0669  1   ! FORMAL PARAMETERS:
::  100      0670  1   !
::  101      0671  1   !       NONE
::  102      0672  1   !
::  103      0673  1   ! IMPLICIT INPUTS:
::  104      0674  1   !
::  105      0675  1   !       EDT$$A_CUR_BUF
::  106      0676  1   !       EDT$$A_EXE_CURCMD
::  107      0677  1   !       EDT$$A_WK_LN
::  108      0678  1   !
::  109      0679  1   ! IMPLICIT OUTPUTS:
::  110      0680  1   !
::  111      0681  1   !       EDT$$G_EXE_SUBCNT
::  112      0682  1   !
::  113      0683  1   ! ROUTINE VALUE:
::  114      0684  1   !
::  115      0685  1   !       NONE
::  116      0686  1   !
::  117      0687  1   ! SIDE EFFECTS:
::  118      0688  1   !
::  119      0689  1   !       NONE
::  120      0690  1   !
::  121      0691  1   !--
::  122      0692  1
::  123      0693  2       BEGIN
::  124      0694  2
::  125      0695  2       EXTERNAL ROUTINE
::  126      0696  2           EDT$$SET_STR,
::  127      0697  2           EDT$$SUB_NXT : NOVALUE,
::  128      0698  2           EDT$$RD_CURLN,
::  129      0699  2           EDT$$RD_NXTLN,
::  130      0700  2           EDT$$FMT_MSG : NOVALUE;
::  131      0701  2
::  132      0702  2       EXTERNAL
::  133      0703  2           EDT$$A_CUR_BUF : REF TBCB_BLOCK,
::  134      0704  2           EDT$$A_WK_LN : REF LIN_BLOCK,
::  135      0705  2           EDT$$Z_EOB_LN,
::  136      0706  2           EDT$$A_EXE_CURCMD : REF NODE_BLOCK,      ! Pointer to the current command.
::  137      0707  2           EDT$$G_EXE_SUBCNT;                       ! No. of substitutions done.
::  138      0708  2
::  139      0709  2       LOCAL
::  140      0710  2           STRINGS_OK;
::  141      0711  2
::  142      0712  2       MESSAGES ((INVSTR));
::  143      0713  2       STRINGS_OK = 1;
::  144      0714  2   !+
```

```
: 145     0715  2 ! Check to see if new search and replace strings were specified and, if
: 146     0716  2 ! they were, set them up.
: 147     0717  2 !-
: 148     0718  2
: 149     0719  2     IF (.EDT$$A_EXE_CURCMD [STR_PNT] NEQ 0) THEN STRINGS_OK = EDT$$SET_STR ();
: 150     0720  2
: 151     0721  2 !+
: 152     0722  2 ! Zero the substitute count.
: 153     0723  2 !-
: 154     0724  2     EDT$$G_EXE_SUBCNT = 0;
: 155     0725  2 !+
: 156     0726  2 ! Make sure we are correctly positioned at the current line.
: 157     0727  2 !-
: 158     0728  2     EDT$$RD_CURLN ();
: 159     0729  2 !+
: 160     0730  2 ! Loop until a substitution is done or the end of buffer is encountered.
: 161     0731  2 !-
: 162     0732  2
: 163     0733  2     WHILE ((.EDT$$A_WK_LN NEQA EDT$$Z_EOB_LN) AND (.EDT$$G_EXE_SUBCNT EQL 0) AND .STRINGS_OK) DO
: 164     0734  3        BEGIN
: 165     0735  3 !+
: 166     0736  3 ! Attempt a single substition on this line starting at the cursor
: 167     0737  3 ! position.
: 168     0738  3 !-
: 169     0739  3        EDT$$SUB_NXT (1, .EDT$$A_CUR_BUF [TBCB_CHAR_POS]);
: 170     0740  3 !+
: 171     0741  3 ! If no substitutions were performed, try again on the next line.
: 172     0742  3 !-
: 173     0743  3
: 174     0744  3        IF (.EDT$$G_EXE_SUBCNT EQL 0) THEN EDT$$RD_NXTLN ();
: 175     0745  3
: 176     0746  2        END;
: 177     0747  2
: 178     0748  2     IF ( NOT .STRINGS_OK) THEN EDT$$FMT_MSG (EDT$_INVSTR);
: 179     0749  2
: 180     0750  1     END;                                    ! of routine EDT$$SUB_NXTCMD
```

```
                              .TITLE   EDT$LSUBSN EDT$LSUBSN - SUBSTITUTE NEXT line-mo
                                               de command
                              .IDENT   \V04-000\

                              .EXTRN   EDT$$SET_STR, EDT$$SUB_NXT
                              .EXTRN   EDT$$RD_CURLN, EDT$$RD_NXTLN
                              .EXTRN   EDT$$FMT_MSG, EDT$$A_CUR_BUF
                              .EXTRN   EDT$$A_WK_LN, EDT$$Z_EOB_LN
                              .EXTRN   EDT$$A_EXE_CURCMD
                              .EXTRN   EDT$$G_EXE_SUBCNT
                              .EXTRN   EDT$_INVSTR

                              .PSECT   _EDT$CODE,NOWRT,  SHR,  PIC,2

                 000C 00000   .ENTRY   EDT$$SUB_NXTCMD, Save R2,R3          : 0660
  53 00000000G   00   9E 00002   MOVAB    EDT$$G_EXE_SUBCNT, R3
  52             01   D0 00009   MOVL     #1, STRINGS_OK                    : 0713
  50 0000G000G   00   D0 0000C   MOVL     EDT$$A_EXE_CURCMD, R0             : 0719
                 08   A0 D5 00013   TSTL     8(R0)
```

```
                                          B 15
EDT$LSUBSN      EDT$LSUBSN - SUBSTITUTE NEXT line-mode command  16-Sep-1984 01:02:03    VAX-11 Bliss-32 V4.0-742              Page  5
V04-000         EDT$$SUB_NXTCMD  - SUBSTITUTE NEXT line-mode co 14-Sep-1984 12:23:44        DISK$VMSMASTER:[EDT.SRC]LSUBSN.BLI;1   (3)
```

```
                                        0A  13 00016        BEQL    1$
                      00000000G  00     00  FB 00018        CALLS   #0, EDT$$SET_STR
                                 52     50  D0 0001F        MOVL    R0, STRINGS_OK
                                        63  D4 00022 1$:    CLRL    EDT$$G_EXE_SUBCNT                  0724
                      00000000G  00     00  FB 00024        CALLS   #0, EDT$$RD_CURLN                  0728
                                 50 00000000G  00  9E 0002B 2$: MOVAB   EDT$$Z_EOB_LN, R0             0733
                                 50 00000000G  00  D1 00032    CMPL    EDT$$A_WK_LN, R0
                                        28  13 00039        BEQL    3$
                                        63  D5 0003B        TSTL    EDT$$G_EXE_SUBCNT
                                        24  12 0003D        BNEQ    3$
                                        52  E9 0003F        BLBC    STRINGS_OK, 4$
                                 50 00000000G  00  D0 00042    MOVL    EDT$$A_CUR_BUF, R0             0739
                                 7E     0C  A0 3C 00049    MOVZWL  12(R0), -(SP)
                                        01  DD 0004D        PUSHL   #1
                      00000000G  00     02  FB 0004F        CALLS   #2, EDT$$SUB_NXT
                                        63  D5 00056        TSTL    EDT$$G_EXE_SUBCNT                  0744
                                        D1  12 00058        BNEQ    2$
                      00000000G  00     00  FB 0005A        CALLS   #0, EDT$$RD_NXTLN
                                        C8  11 00061        BRB     2$                                0733
                                 0D     52  E8 00063 3$:    BLBS    STRINGS_OK, 5$                     0748
                                   00000000G  8F  DD 00066 4$: PUSHL   #EDT$_INVSTR
                      00000000G  00     01  FB 0006C        CALLS   #1, EDT$$FMT_MSG
                                        04 00073 5$:        RET                                        0750
```

; Routine Size: 116 bytes,   Routine Base: _EDT$CODE + 0000

;   181   0751 1
;   182   0752 1 !<BLF/PAGE>

```
C 15
; 184      0753 1 END                                                    ! of module EDT$LSUBSN
; 185      0754 1
; 186      0755 0 ELUDOM
```

;   PSECT SUMMARY

;   Name   Bytes   Attributes

; _EDT$CODE   116 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

;   Library Statistics

File	-------- Symbols --------			Pages Mapped	Processing Time
	Total	Loaded	Percent		
_255DUA28:[EDT.SRC]EDT.L32;1	377	82	21	40	00:00.2
_255DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

;   COMMAND QUALIFIERS

;   BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:LSUBSN/OBJ=OBJ$:LSUBSN MSRC$:LSUBSN.BLI/UPDATE=(ENH$:LSUBSN)

```
; Size:           116 code + 0 data bytes
; Run Time:           00:11.5
; Elapsed Time:       00:14.0
; Lines/CPU Min:    3928
; Lexemes/CPU-Min: 11505
; Memory Used:  83 pages
; Compilation Complete
```

LINCL
LIS

LTYPE
LIS

LQUERY
LIS

LSUB
LIS

LRES
LIS

LTADJ
LIS

LPRINT
LIS

LGETSTR
LIS

LPUTCHR
LIS

LSUBSN
LIS

LSHOW
LIS

LMOVE
LIS

LSET
LIS

LWRITE
LIS

LINSERT
LIS

LNONCTG
LIS

LSUBS
LIS